Newzen Consultants Bangalore

NC/QC/YPD/2018-19/BG-C1 Date: 06-06-2018

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Providing Chain link fencing for Government Land at Sampigehalli Near Lake in ward no. 05.}

Ref.: Material testing/QC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri.Prakash.S, Bangalore.

PHYSICAL TESTS ON CEMENT

Brand : Zuari
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**179 min**	Shall not be less than 30 min
2	Final setting time	**284 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.43 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**1.74 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.92 N/Sq mm**	Shall not be less than 27 N/Sqmm

*As furnished by Client.
The Results relate only to the items tested.

KIRAN. R
M.E, (Civil-Engg)

16/8/2018

Page No. 1/1,

Proprietor

NC/QC/YPD/2018-19/BG-PCC1

Date: 06-06-2018

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Providing Chain link fencing for Government Land at Sampigehalli Near Lake in ward no. 05.}

Ref.: Material testing/QC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri.Prakash.S, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	63.10	0 -20	30- 70
10mm	17.95	0 -5	10- 35
4.75mm	3.40	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	98.35	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	81.90	60-95	75-100	85-100	
01.18	64.20	30-70	55-90	75-100	
600.mic	47.05	15-34	35-59	60-79	
300.mic	22.60	5-20	8-30	12-40	
150.mic	7.30	0-10	0-10	0-10	

*As furnished by Client.

The Results relate only to the items tested.

KIRAN. R
M.E, (Civil-Engg)

Pd. Varify
K. Nawfal 16/6/2018

For Newzen Consultants Bangalore

Proprietor

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NC/QC/YPD/2018-19/BG-C2 Date: 18-06-2018

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Providing Chain link fencing for Government Land at Sampigehalli Near Lake in ward no. 05.}
Ref.: Material testing/QC/18-19,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri.Prakash.S, Bangalore.

PHYSICAL TESTS ON CEMENT

Brand : Zuari
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**193 min**	Shall not be less than 30 min
2	Final setting time	**277 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.01 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**1.68 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**29.02 N/Sq mm**	Shall not be less than 27 N/Sqmm

*As furnished by Client.
The Results relate only to the items tested.

KIRAN. R
M.E, (Civil-Engg)

16/8/2018

For Newzen Consultants Bangalore

Proprietor

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NC/QC/YPD/2018-19/BG-FA1 **Date: 18-06-2018**

1. TESTING OF FINE AGGREGATES :

Sub: Testing of Fine Aggregates.
{Project*: Providing Chain link fencing for Government Land at Sampigehalli Near Lake in ward no. 05.}

Ref.: Material testing/QC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri.Prakash.S, Bangalore.

TABLE - 1.1 : SIEVE ANALYSIS :

IS Sieve Size,mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -II	
04.75	**97.10**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**85.65**	60-95	75-100	85-100	
01.18	**71.05**	30-70	55-90	75-100	
600. mic	**46.45**	15.34	35-59	60-79	
300.mic	**23.80**	5-20	8-30	12-40	
150.mic	**6.95**	0-10	0-10	0-10	

TABLE 1.2 ;

Sl No	Test Conducted	Sample	Results	**Requirements** as Per IS. Specification IS :383-1970 (Reaffirmed 2002)
1	Bulking of Sand	001	**16.03 %**	-----
2	Silt Content	----	**0.63 %**	Not more than 8%
3	Specific Gravity	----	**2.61**	-------

*As furnished by Client.

The Results relate only to the items tested.

KIRAN. R
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Asst. Executive Engineer
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Newzen Consultants Bangalore

NC/QC/YPD/2018-19/BG-CA1

Date: 18-06-2018

1. TESTING OF COARSE AGGREGATES (20 mm):

Sub: Testing of Construction Materials.
{Project*: Providing Chain link fencing for Government Land at Sampigehalli Near Lake in ward no. 05.}

Ref.: Material testing/QC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri.Prakash.S, Bangalore.

Table - 1.1 : SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2002) % Passing	
	20 mm Sample	Single size	Graded
40 mm	100.00	100.00	100.00
20 mm	98.75	85-100	90 - 100
10 mm	42.40	0 - 20	25 - 55
4.75 mm	6.90	0 - 5	0 - 10

TABLE 1.2 :

SL No	Test conducted	Results	Requirements as per IS:383-1970 & Tests Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2002)
1.	Flakiness Index	21.55 %	Not to exceed 25 %
2.	Crushing value	24.85 %	Not to exceed 45 % for concrete other than for wearing surfaces and 30% for concrete for wearing surfaces

*As Furnished by Client.

The Results relate only to the items tested.

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NC/QC/YPD/2018-19/BG-SSM1 Date: 22-06-2018

1. TESTING OF STONE SAMPLE :

Sub: Testing of Size stone.
{Project*: Providing Chain link fencing for Government Land at Sampigehalli Near Lake in ward no. 05.}

Ref.: Material testing/QC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri.Prakash.S, Bangalore.

Technical Reference: IS 1121(Part 1) -1974 (R.A on 1998)

Table 1.1 :

SL No	Details of Tests	Observed Value	Normal Values
01	Compressive Strength	**1368.00** Kg/ Sqcm	Not less than 1000.00 Kg/Sqcm
02	Water absorption,%	**0.41 %**	Not more than 2.0 %

*As Furnished by Client.

The Results relate only to the items tested.

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NC/QC/YPD/2018-19/BG-SSM2 Date: 27-06-2018

1. TESTING OF STONE SAMPLE :

Sub: Testing of Size stone.
{Project*: Providing Chain link fencing for Government Land at Sampigehalli Near Lake in ward no. 05.}

Ref.: Material testing/QC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri.Prakash.S, Bangalore.

Technical Reference: IS 1121(Part 1) -1974 (R.A on 1998)

Table 1.1 :

SL No	Details of Tests	Observed Value	Normal Values
01	Compressive Strength	**1383.00** Kg/ Sqcm	Not less than 1000.00 Kg/Sqcm
02	Water absorption,%	**0.41 %**	Not more than 2.0 %

*As Furnished by Client.

The Results relate only to the items tested.

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NC/QC/YPD/2018-19/BG-CB1

Date: 14-07-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Providing Chain link fencing for Government Land at Sampigehalli Near Lake in ward no. 05.}

Ref.: Material testing/QC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri.Prakash.S, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	07-07-18	14-07-18	07	22500	300	13.33	**12.96**
	002	"	"	"	"	285	12.67	
	003	"	"	"	"	290	12.89	

*As Furnished by Client.

The Results relate only to the items tested.

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NC/QC/YPD/2018-19/BG-CB1a

Date: 04-08-2018

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Providing Chain link fencing for Government Land at Sampigehalli Near Lake in ward no. 05.}

Ref.: Material testing/QC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri.Prakash.S, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	07-07-18	04-08-18	28	22500	385	17.11	**16.74**
	002	"	"	"	"	380	16.89	
	003	"	"	"	"	365	16.22	

*As Furnished by Client.

The Results relate only to the items tested.

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